

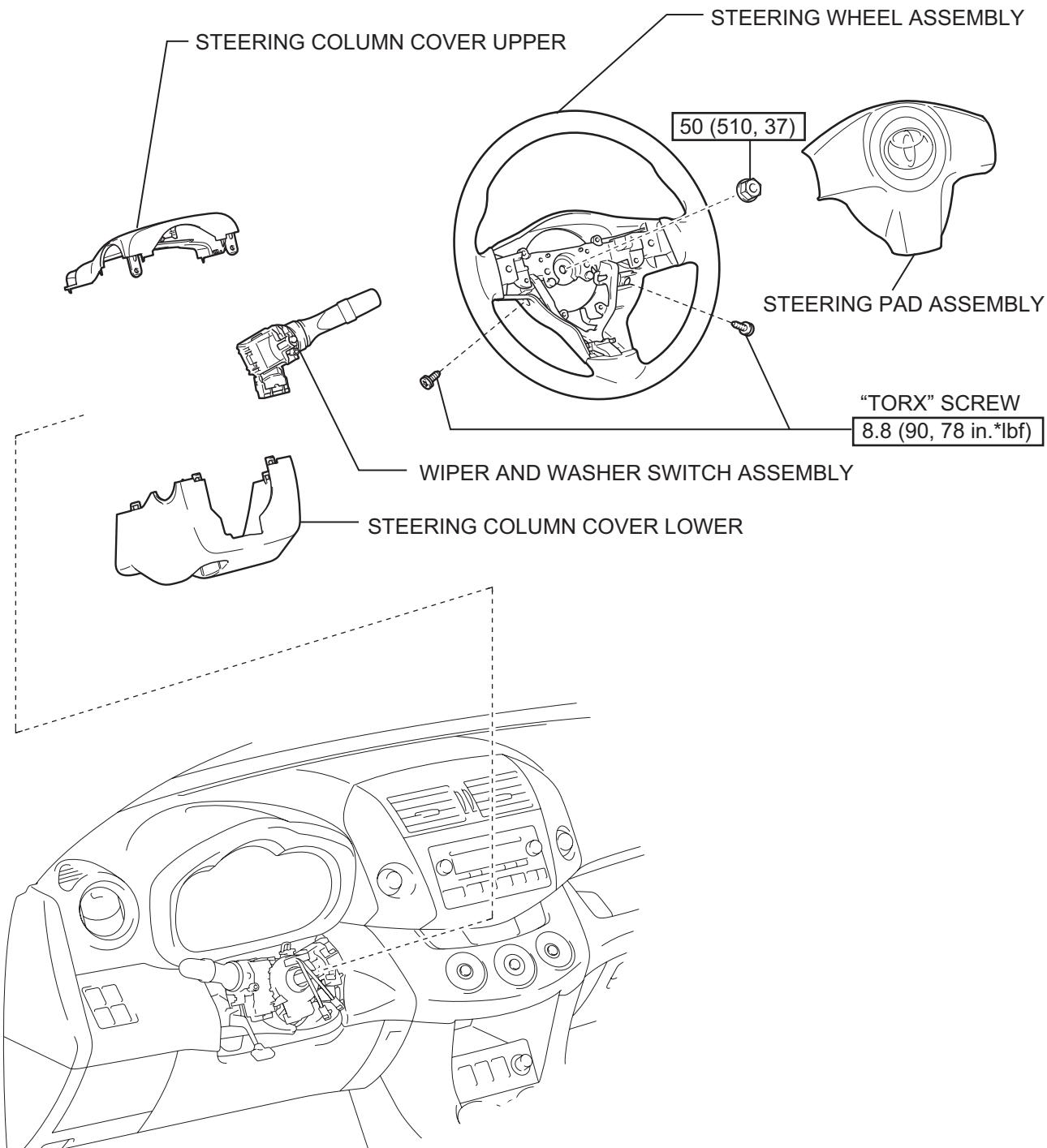
WIPER SWITCH

PRECAUTION

1. PRECAUTION FOR VEHICLE WITH SRS

- (a) Some procedures in this section may affect the Supplemental Restraint System (SRS). Prior to performing the procedures, read the SRS section's "Precaution" (see page [SS-2](#)).

COMPONENTS



$N\cdot m$ (kgf*cm, ft.*lbf) : Specified torque

REMOVAL

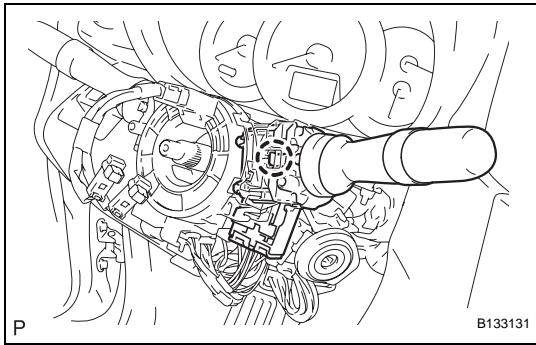
1. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**
CAUTION:
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.
2. **PLACE FRONT WHEELS FACING STRAIGHT AHEAD**
3. **REMOVE STEERING PAD ASSEMBLY (See page RS-336)**
4. **REMOVE STEERING WHEEL ASSEMBLY (See page SR-12)**
5. **REMOVE STEERING COLUMN COVER UPPER (See page SR-12)**
6. **REMOVE STEERING COLUMN COVER LOWER (See page SR-12)**
7. **REMOVE WIPER AND WASHER SWITCH ASSEMBLY**

(a) Disconnect the connectors.

(b) Detach the claw and remove the wiper switch.

NOTICE:

Do not push the claw with excessive force as damage may occur.



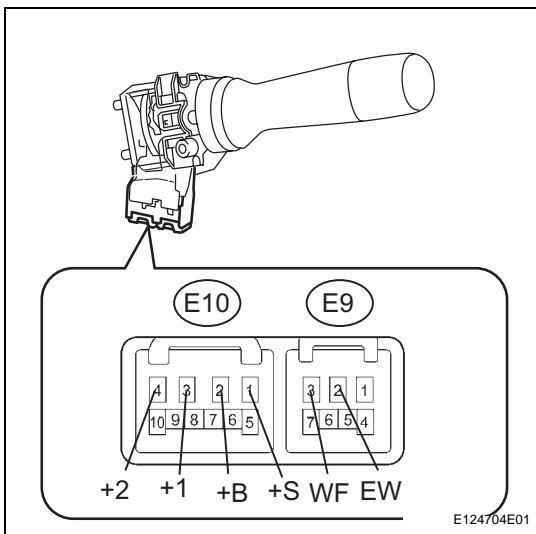
INSPECTION

1. **INSPECT WINDSHIELD WIPER SWITCH ASSEMBLY**

(a) Check the front wiper switch.

(1) Measure the resistance of the switch.
Standard resistance

Tester Connection	Switch Condition	Specified Condition
E10-1 (+S) - E10-3 (+1)	INT	Below 1 Ω
	OFF	
E10-2 (B) - E10-3 (+1)	MIST	
	LO	
E10-2 (B) - E10-4 (+2)	HI	



If the result is not as specified, replace the switch assembly.

(b) Check the front washer switch assembly.

(1) Measure the resistance of the switch.
Standard resistance

Tester Connection	Switch Condition	Specified Condition
E9-2 (EW) - E9-3 (WF)	ON	Below 1 Ω
	OFF	

If the result is not specified, replace the switch assembly.

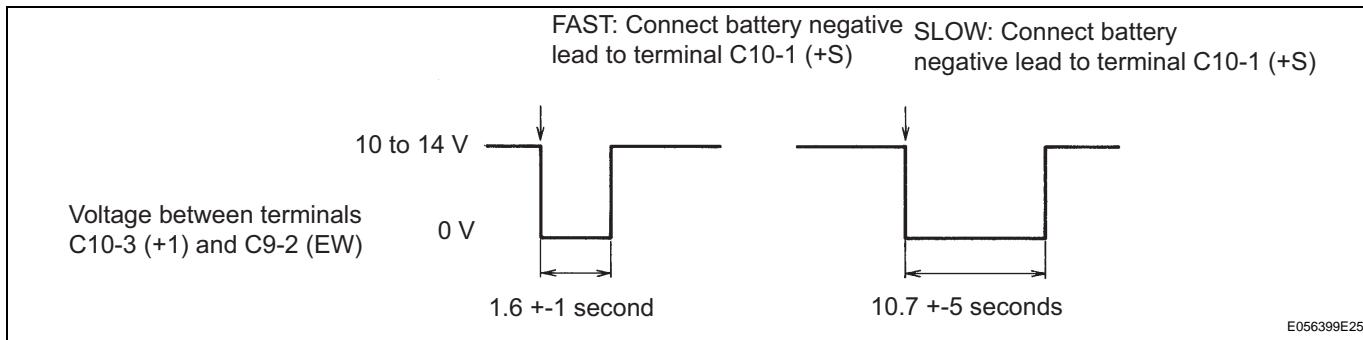
WW

(c) Check the intermittent operation.

- (1) Connect the voltmeter's positive (+) lead to terminal E10-3 (+1) and the negative (-) lead to terminal E9-2 (EW).
- (2) Connect the battery's positive (+) lead to terminal E10-2 (+B) and the negative (-) lead to terminal E9-2 (EW) and E10-1 (+S).
- (3) Turn the wiper switch to the INT position.
- (4) Connect the battery's positive (+) lead to terminal E10-1 (+S) for 5 seconds.
- (5) Connect the battery's negative (-) lead to terminal E10-1 (+S). Operate the intermittent wiper relay and check the voltage between terminals E10-3 (+1) and E9-2 (EW).

Standard voltage:

Refer to the illustration below.



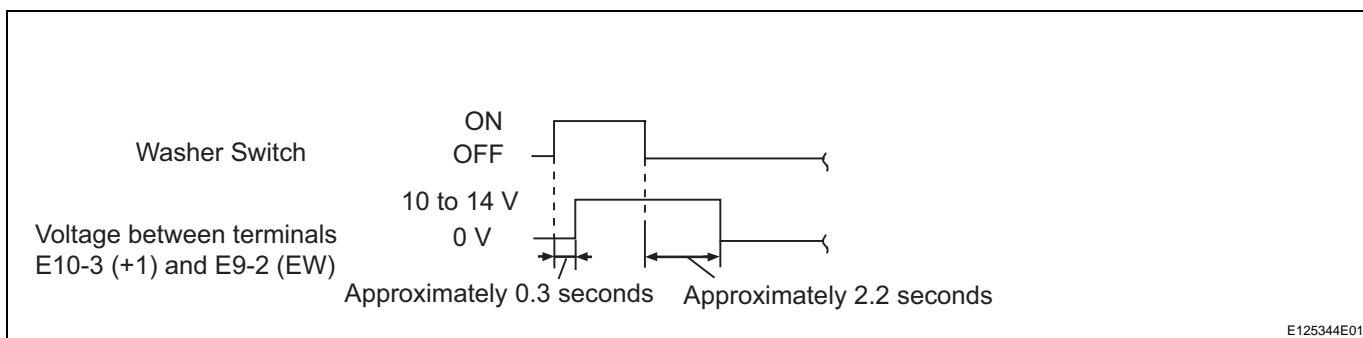
If the result is not as specified, replace the switch assembly.

(d) Check the front washer operation.

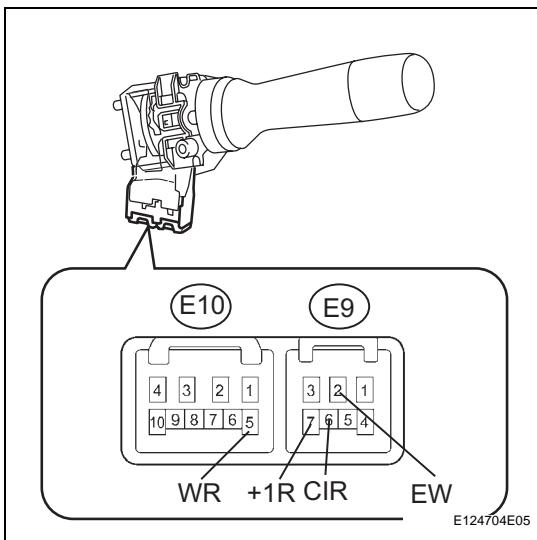
- (1) Turn the wiper switch OFF.
- (2) Connect the battery's positive (+) lead to terminal E10-2 (+B) and the negative (-) lead to terminals E10-4 (+S) and E9-2 (EW).
- (3) Connect the voltmeter's positive (+) lead to E10-3 (+1) and the negative (-) lead to terminal E9-2 (EW).
- (4) Turn the washer switch ON and OFF, and check the voltage between terminals E10-3 (+1) and E9-2 (EW).

OK:

Refer to the illustration below.



If the result is not as specified, replace the switch assembly.



(e) Check the rear wiper switch.

- (1) Measure the resistance of the switch.

Standard resistance

Tester Connection	Switch Condition	Specified Condition
E9-2 (EW) - E9-6 (CIR)	INT	Below 1 Ω
E9-2 (EW) - E9-7 (+1R)	ON	
E9-2 (EW) - E9-6 (CIR)	OFF	10 kΩ or higher
E9-2 (EW) - E9-7 (+1R)		

If the result is not as specified, replace the switch assembly.

(f) Check the rear washer switch.

- (1) Measure the resistance of the switch.

Standard resistance

Tester Connection	Switch Condition	Specified Condition
E9-2 (EW) - E9-7 (+1R)	ON	Below 1 Ω
E9-2 (EW) - E10-5 (WR)	OFF	10 kΩ or higher

If the result is not as specified, replace the switch assembly.

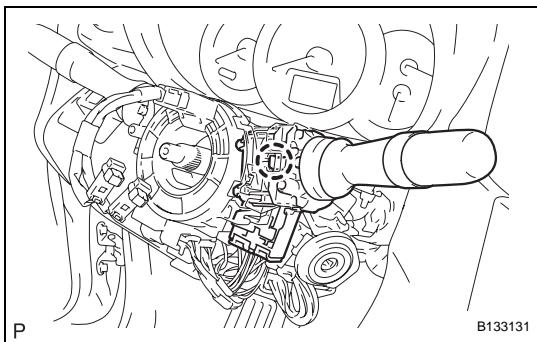
INSTALLATION

1. INSTALL WIPER AND WASHER SWITCH ASSEMBLY

- (a) Attach the claw to install the wiper switch.
- (b) Connect the connectors.

NOTICE:

Do not push the claw with excessive force as damage may occur.



2. INSTALL STEERING COLUMN COVER LOWER (See page [SR-20](#))

3. INSTALL STEERING COLUMN COVER UPPER (See page [SR-20](#))

4. INSTALL STEERING WHEEL ASSEMBLY (See page [SR-21](#))

5. PLACE FRONT WHEELS FACING STRAIGHT AHEAD

6. INSPECT STEERING WHEEL CENTER POINT

7. INSTALL STEERING PAD ASSEMBLY (See page [RS-336](#))

8. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

9. INSPECT STEERING PAD ASSEMBLY (See page [RS-337](#))

10. CHECK SRS WARNING LIGHT

- (a) Check the SRS warning light (see page [RS-337](#)).

WW